

GZOVSKIY, M.V.

Relations between tectonic faults and strains in the earth's
crust. Razved. i okh.nedr 22 no.11:7-22 N '56. (MLRA 10:1)

1. Institut fiziki zemli Akademii nauk SSSR.
(Faults (Geology)) (Earth movements)

GZOVSKIY, M.V.

Mechanisms in the formation of complex tectonic profiles.
Razved.i okh.nedr. 22 no.7:1-14 J1 '56. (MLRA 9:11)

1. Institut fiziki zemli Akademii nauk SSSR.
(Geology, Structural) (Earth movements)

GZOVSKIY, M.V.

Concerning G.I. Gurevich's review. Izv.AN SSSR.Ser.geofiz. no.4;
487-493 Ap '56. (MLRA 9:8)
(Geology, Structural)

GZOVSKIY, M.V.

Principal problems of classification of tectonic faults.
Sov.geol. no.41:131-169 '54. (MIRA 8:6)
(Faults (Geology))

GZOVSKIY, M.V.

BELOUSOV, V.V.; GZOVSKIY, M.V.

Tectonic conditions and the mechanism of earthquake formation.
Trudy Geof.inst. no.25:23-35 '54. (MLRA 7:12)
(Earthquakes) (Seismology)

GZOVSKIY, M. V.

USSR/Geophysics - Tectonics Modeling

FD-1192

Card 1/1 Pub. 45-3/8

Author : Gzovskiy, M. V.

Title : Modeling of tectonic fields of stresses and discontinuities

Periodical : Izv. AN SSSR, ser. geofiz., No 6, 1954, pp 527-545

Abstract : The author examines the possibilities of modeling fields of stresses and discontinuities. He derives general conditions for similarity, and presents results of an investigation of models of anticlines of a transverse fold. The author thanks the following for their assistance: L. S. Eygenson, N. V. Zvolinskiy, G. N. Kuznetsov, P. M. Tsimbarevich and V. F. Trumbachev.

Institution : Geophysics Institute, Acad. Sci. USSR

Submitted : August 24, 1953

GZOVSKIY, M.V.

Tectonic field stresses. Izv. AN SSSR Ser.geofiz. no.5:390-410
S-0 '54. (MLRA 7:9)
(Geology, Structural)

FD 383

GZOVSKIY, M. V.
USSR/Geophysics - Tectonic physics

Card 1/1

Author : Gzovskiy, M. V.

Title : Tasks and contents of "tectonophysics"

Periodical : Izv. AN SSSR, Ser. geofiz. 3, 244-263, May/Jun 1954

Abstract : Attempts to determine tasks, contents and direction of development of tectonophysics (tectonicophysics). Notes the basic stages of its development. Treats the closest particular problems of tectonophysics that are connected with the development of its physical foundations and with the study of the mechanism governing the formation of abrupt jumps and tectonic discontinuities. 26 references-23 Soviet; all but two are postwar.

Institution : Geophysics Institute, Acad Sci USSR

Submitted : January 22, 1954

100.111, 1.1.

USSR/Geophysics - Tectonic Fractures Nov/Dec 53

"Modeling the Expansion Waves of Large Tectonic Fractures," M.V. Gzovskiy and Ya. I. Chertkova, Geophys Inst, Acad Sci USSR

Iz Ak Nauk SSSR, Ser Geofiz, No 6, pp 481-499

Describe expts clarifying the mechanism governing the formation of fractures and the formation of waves occurring during expansion. Briefly describes the problem of detg how the curvature of individual surface cleavages occurred.

273T82

GZOVSKIY, M.V.

"Waviness of the strike of major Tectonic fractures", Izv. AN SSSR, ser. geofiz.
[News of the Academy of Sciences of the USSR, Geophysical Series], No 2, 1953.

The course of large, steep tectonic fractures are characterized by regular waviness, which explains their formation. Explains that many small fractures of flat or bent forms formed first and later an amalgamation of individual fractures of various extension were formed in a large seam which resulted in the formation of subject waviness. States that information is valuable for mining and prospecting work.

25hT7h

GZOVSKIY, M.V.

BELOUSOV, V.V.; ~~GZOVSKIY, M.V.~~; GORYACHEV, A.V.

Structure of the Eastern Alps in connection with general tectonic
concepts. Article 2: Pre-Quaternary history of the Eastern Alps.
Bul. MOIP. Otd. geol. 26 no.2:50-69 '51. (MIRA 11:5)
(Alps, Eastern--Geology, Stratigraphic)

BELLOUSOV, V.V.; GZOVSKIY, M.V.; GORYACHEV, A.V.

Structure of the Eastern Alps in connection with general tectonic
concepts. Biul. MOIP. Otd. geol. 26 no.1:46-68 '51. (MIRA 11:5)
(Alps, Eastern--Geology, Structural)

GZOVSKIY, M. V.

"Present State of Some Fundamental Concepts in the Study of Geosynclines,"
Byul. Mosk. Obshch. Ispytat. Prirody, Otdel. Geol., 23, No. 4, 1948.

1. GZOVSKIY, M. V. and BELOUSOV, V. V.
2. USSR (600)
4. Akstafa Valley - Geology, Structural
7. Geological structure of the basin of the middle course of the Akstafa River (northern Armenia). Abstract Izv. Glav.upr.geol.fon. No. 3, 1947.
9. Monthly List of Russian Accessions, Library of Congress, March 1953. Unclassified.

GZOVSKIY, M. V. Cand. Geol&g-Mineralog Sci.

Dissertation: "Connection Between Folding and Vibratory Movements on the Example of the Little Caucasus." Moscow Geological Prospecting Inst. imeni S. Ordzhonikidze. 7 May 47.

SO: Vechernyaya Moskva, May 1947 (Project #17836)

GZOTTNER, Sandor, okl. banyamernok

The role and significance of mining in the Hungarian national economy.
Bany lap 93 no. 11:735-739 N 60.

1. Nehezipari miniszter.

GZLKIN, O.P.; GRIGOR'YEV, V.S.

Instruments for plotting refracted rays. Akust.zhur. 6 no.1:23-29
160. (MIRA 14:5)

1. Akusticheskiy institut AN SSSR, Moskva.
(Sound waves)

YAKOBASHVILI, S.B.; MIFABERIDZE, R.G.; YARUYELASHVILI, M.G.; GZURISHVILI, T.V.

Surface tension of AN-291 and AN-292 fluxes. Avtom.svar. 18
no.11:77-78 N '65. (MIRA 18:12)

GZ IRISHVILI, N.A.

Change in the quantity of urea and chlorides in the blood and
urine following gastric secretion. Soob. AN Gruz. SSR 38 no.3:
685-690 Je '65. (MIRA 18:12)

~~APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R000617800053-6~~

CHILDSVILLE, N.A.; TALLAHASSEE, F.S.

quantity of cell nuclei, which are characteristically increased in cells under normal conditions and in cells undergoing mitosis and chromatin condensation. Seeb. M. Grez. 1987. *Cell. 48*: 1-12.

(b) (7)(C), (D); (b) (7)(F)

GZIRISHVILI, G.A.

Treatment of tumors of the urinary bladder with radioactive phosphorus. Trudy Inst.eksp.i klin.khir.i gemat. AN Gruz.SSR 10:257-260 '62. (MIRA 16:2)

(BLADDER--CANCER) (PHOSPHORUS--ISOTOPES)

ILLEGIBLE

UESR/Human and Animal Physiology. Digestion.

T

Abs Jour: Ref Zhur-Biol., No 8, 1958, 36529.

Author : ~~Gzirishvili, G.A.~~

Inst : Institute of Experimental and Clinical Surgery and Hematology.

Title : The Problem of the Excretory Function of Various Parts of the Stomach.

Orig Pub: Tr. In-ta eksperim. i klinich. khirurgii i gematol. A.N. GruzSSSR, 1957, 7, 205-211.

Abstract: The excretory function of the mucosa in dogs with an isolated Pavlov stomach in the fundus and Basov fistula in the greater stomach is constant for all the parts of the stomach, but is lower in fundic part. Stimulation of the isolated stomach for a period of 10-15 days with a solution of AgNO_3 at first increased the secre-

Card : 1/2

OZIRISHVILI, G.A.

Total nitrogen in gastric juice before and after vagotomy. Soeb.
AN Gruz. SSR. 17 no.6:545-548 '56. (MIRA 9:10)

1. Akademiya nauk Gruzinskoy SSR, Institut eksperimental'noy i
klinicheskoy khirurgii i gematologii, Tbilisi. Predstavleno akade-
mikom K.D. Eristavi.

(GASTRIC JUICE) (VAGUS NERVE)

AKHMETELI, L.I.; GZIRISHVILI, G.A.

Micromorphological changes in kidneys following bilateral vagotomy.
Soob.AN Gruz.SSR. 17 no.5:451-454 '56. (MLRA 9:9)

1.Akademiya nauk Gruzinskoy SSR, Institut eksperimenta'noy i klini-
cheskoy khirurgii i gematologii, Tbilisi. Predstavleno akademikom
K.D.Eristavi.

(KIDNEYS) (VAGUS NERVE)

GZIRISHVILI, G.A.

Quantitative changes in blood chlorides as a result of vagus nerve severance. Soob.AN Gruz.SSR 16 no.6:483-487 '55. (MLRA 9:2)

1.Akademiya nauk Gruzinskoy SSR, Institut eksperimental'noy i klinicheskoy khirurgii i gematologii, Tbilisi. Predstavleno deystvitel'nym chlenom Akademii K.D.Eristavi.
(Blood--Analysis and chemistry) (Vagus nerve)

GZIRISHVILI, G.A.; KIGURADZE, E. Sh.

Effect of stimulating the interoceptors of the stomach on the peripheral blood picture and the mechanism of leucocyte development. Soob. AN Gruz. SSR 15 no.8:543-549 '54. (MLRA 8:9)

1. Akademiya nauk Gruzinskoy SSR, Institut eksperimental'noy i klinicheskoy khirurgii i gematologii, Tbilisi. Predstavleno daystvitel'nym chlenom Akademii K.D.Eristavi.
(Receptors (Neurology)) (Leucocytes)

GZIRISHVILI, G.A.

On gastric secretions induced by irritation of the mechanical receptors of the stomach. Soob. AN Gruz. SSR 15 no.6:377-383 '54. (MLRA 8:6)

1. Akademiya nauk Gruzinskoy SSR, Institut eksperimental'noy i klinicheskoy khirurgii i gematologii, Tbilisi. Predstavleno deystvitel'nym chlenom Akademii K.D.Bristavi.
(Gastric juice)

GZIRISHVILI, G.A.

Elimination of neutral red dies before and after gastrotomy.

Soob. AN Gruz. SSR 14 no.2:109-112 '53.

(MLRA 7:5)

1. Akademiya nauk Gruzinskoy SSR Institut eksperimental'noy i klini-
cheskoy khirurgii i gematologii, Tbilisi. Predstavleno deystvitel'ny
chlenom Akademii K.D. Eristavi. (Stomach--Secretions)

GZIRISVILI, A.Z.

Excretion in the urine of Br⁸² in nephrolithiasis. Trudy Inst.eksp.
i klin.khir. i gemat. AN Gruz.SSR 10:247-256 '62. (MIRA 16:2)

(CALCULI, URINARY) (BROMINE ISOTOPES)

GZIRISHVILI, A.Z., prof. (Tbilisi)

Dyskinesia of the kidney pelvis and ureters. Urologia no.1:41-
43 '62. (MIRA 15:11)
(KIDNEYS--DISEASES) (URETERS--DISEASES)

GZIRISHVILI, A.Z.

Classification of tuberculosis of the urogenital system. Urologiya 24 no.1:
49-50 Ja-F '59 (MIRA 12:1)

1. Iz urologicheskogo otdeleniya Respublikanskoy tsentral'noy klinicheskoy
bol'nitsy (zav. - prof. A.Z. Gzirishvili) Ministerstva zdravookhraneniya
Gruzinskoy SSR.

(TUBERCULOSIS, UROGENITAL
classif. (Rus))

GZIRISHVILI, A.Z., prof. (Tbilisi)

Development of urology in Georgia. Urologia 23 no.2:48-52
Mr-Apr '58. (MIRA 11:4)

(UROLOGY
in Russia, progr. (Rus))

GZIRISHVILI, A.Z.

Using P^{32} for studying kidney functions. Soob.AN Gruz.SSR 17 no.1:
65-72 '56. (MLRA 9:8)

1. Akademiya nauk Gruzinskoy SSR, Institut eksperimental'noy i klinicheskoy khirurgii i gematologii. Predstavleno deystvitel'nyy chlenom Akademii K.D. Eristavi.
(PHOSPHORUS--ISOTOPES)
(KIDNEYS)

GRINSEVILI, A. N. Prof.

"The Application of radioactive Phosphorus for the Functional Diagnosis of Conditions of the Kidney," a report presented at the Transcaucasian Radioisotope Conference, Tbilisi, 23-31 Oct 55.

Sum. No. 1047, 31 Aug 56

GZIRISHVILI, A.Z.

Study of kidney functions by means of bioelectric currents. Seeb.
AN Gruz.SSR 8 no.9/10:669-676 '47. (MLRA 9:7)

1.Akademiya nauk Gruzinskey SSR, Institut eksperimental'ney i
klinicheskey khirurgii i gematologii, Tbilisi. Predstavlene dey-
stvitel'nykh chlenov Akademii G.M.Mukhadze.
(KIDNEYS)

GZIBERE, T.

Computation method for the design of straight airfoil lattices
with strongly curved profile blades. I. Acta mechn Hung 28 no.1/2:
43-71 "60. (EEAI 9:7)

1. "Ganz-Mavag" Lokomotiv-, Waggon- und Maschinenfabrik, Budapest.
(Lattice theory) (Airfoils)

IZHUROV, G., and others.

"Treatment of Lung Tuberculosis with Tubigul; Early Results." p. 2,
(ZDRAVENIENIE, No. 46, Nov. 1954, Sofiya, Bulgaria)

So: Monthly List of East European Accessions, (EMAL), LC, Vol. 4
No. 5, May 1955, Uncl.

L 8609-66 EWT(c)/EWP(1) IJP(c) BB/CG

ACC NR: AR5014362

SOURCE CODE: UR/0271/65/000/005/B045/B045

SOURCE: Ref. zh. Avtomatika, telemekhanika i vychislitel'naya tekhnika.
Svodnyy tom, Abs. 5B330

AUTHOR: Belima, A. S.⁴⁴; Gzhiynovich, Ye.⁴⁴; Podgurskiy, G. S.⁴⁴ 41 B

TITLE: Manual data-input device 16C, 44

CITED SOURCE: Sb. Ustroystva i elementy prom. telemekhan. Kiyev, 1964,
87-91

TOPIC TAGS: information storage, digital computer

TRANSLATION: A manual device is used for transmitting sporadic information from various process stations to a dispatcher's station and for harmonizing the information-transmission time with the cyclic operation of the system. The manual device intended for the dispatcher's station of a blast-furnace department

Card 1/2

UDC: 681.142.62
2

CHITSKY, S.Z., SKORIKHOV, V.I., DOVGAN, N.YA., BOLODOV, I.I., VETVINYK, F.I.
LADYNYK, I.Z. (USSR)

"The conditions of maintaining the Chemical Medium in the
Rumen in Ruminants."

Report presented to the 5th Int'l Biochemistry Congress,
Moscow, 10-16 Aug. 1961.

CEKLIANSKY, Nikolaj; GIK-CHIMBOWSKA, Sofia

Primary carcinoma plasmocellular of the mucosa of the median lobe
proceeding with infiltration of the epicardium and pericardium and
numerous metastases to other organs. Przegl. lek. 21 no.6:438-441
'65.

1. 2 Oddzialu Pneumologicznego Samstwowego Szpitala Irzeciu-
grazkiego w Tuszynie (Dyrektor: Dr. med. N. Ceklianski).

GZHITSKIY, S.Z. [Gzhyts'kyi, S.Z.]

Recent data on the biological function of the rumen in cattle.
Fiziol.zhur. [Ukr.] 11 no.4:444-447 Jl-Ag '65.

(MIRA 18:10)

1. Kafedra biokhimii L'vovskogo zooveterinarnogo instituta.

GZHITSKIY, S.Z. [Hzyts'kyi, S.Z.]; VOL'SKIY, N.N. [Vol's'kyi, M.M.]

Effect of insulin on phosphate excretion by the "little
rumen" wall in cattle. Dop. AN URSR no.8:1092-1094 '64.
(MIRA 17:8)

1. Ukrainskiy nauchno-issledovatel'skiy institut fiziologii i
biokhimii sel'skokhozyaystvennykh zivotnykh. 2. Chlen-
korrespondent AN UkrSSR (for Gzhitskiy).

GZHITSKIY, S.Z. [Hzyts'kyi, S.Z.]; LEMISHKO, A.M. [Lemishko, O.M.]; PAVLYUK, I.M.

Histochemical study of mucopolysaccharides in the rumen wall of cattle.
Dop. AN URSR no.1:89-91 '64. (MIRA 17:4)

1. Ukrainskiy nauchno-issledovatel'skiy institut fiziologii i biokhimi
sel'skokhozyaystvennykh zhivotnykh. 2. Chlen-korrespondent AN UkrSSR (for
Gzhitskiy).

SKORODINSKIY, Z.P.[Skorodyns'kyi, Z.P.], otv. red.; BERKOVICH, Ye.M.,
prof., nauchn. sotr., red.; GZHITSKIY, S.Z.[Hzyts'kyi, S.Z.],
~~nauchn. sotr., prof.,~~ red.; MITSIK, V.Yu., red.; PUPIN, I.G.
[Pupin, I.G.], red.; SHOVKUN, V.Yu., red.; PALFIY, F.Yu., red.

[Abstracts of reports of the First Scientific Conference of
Graduate Students] Tezy dopovidei Pershoi aspirants'koi na-
ukovoi konferentsii. L'viv, 1963. 62 p. (MIRA 17:2)

1. Ukrain's'kyi naukovo-doslidnyi instytut fiziologii i biokhi-
mii sil's'kohospodars'kykh tvaryn. 2. L'vovskiy zooveterinar-
nyy institut i Chlen-korrespondent AN Ukr.SSR (for Gzhitskiy).
3. Ukrainskiy nauchno-issledovatel'skiy institut fiziologii i
biokhimi sel'skokhozyaystvennykh ~~zhivotnykh~~ (for Berkovich)

GZHITSKIY, S.Z. [Hzyts'kyi, S.Z.]

Effect of sodium fed to sheep on the yield and chemical composition .
of wool. Ukr. biokhim. zhur. 33 no.3:326-331 '61. (MIRA 14:6)

1. Nauchno-issledovatel'skiy institut zemledeliya i zhivotnovodstva
zapadnykh rayonov USSR, L'vov.
(SODIUM SULFATE) (WOOL)

GZHITSKIY, S.Z. [Hzyts'kyi, S.Z.]; DOVGAN', N.Ya. [Dovhan', N.IA.];
ROZGONI, I.I. [Rozhoni, I.I.]; SKOROKHOD, V.I. [Skorokhid, V.I.]

Effect of urea and sodium sulfate on fermentation processes in the
rumen of the cow. Ukr. biokhim. zhur. 33 no.1:101-106 '61.
(MIRA 14:3)

1. Research Institute of Agriculture and Animal Husbandry of the
Western Regions of the Ukrainian S.S.R.
(UREA) (SODIUM SULFATE)
(STOMACH---MICROBIOLOGY) (CATTLE---PHYSIOLOGY)

GOLOVATSKIY, Ivan Dmitriyevich [Holovats'kyi, I.D.], kand. biol. nauk;
GZHITSKIY, S.Z. [Hzyts'kyi, S.Z.], akademik, otv. red.;
MAZUR, V.M., red.; KVITKA, S.P., tekhn. red.

[Carbohydrate metabolism in farm animals] Obmin vuhlevodiv u sil'-
s'kohospodars'kykh tvaryn. Kyiv, Vyd-vo Ukrain's'koi akad. sil'-
s'kohospodars'kykh nauk, 1961. 209 p. (MIRA 16:1)

1. Chlen-korrespondent Akademii nauk Ukr. SSR i Ukrain's'kaya
Akademiya sel'skokhozyaystvennykh nauk (for Gzhitskiy).
(Carbohydrate metabolism) (Veterinary physiology)

^E
G. GIBSON, J. L., HARRIS, J. A. (1961)

"The Amino-Acid Composition of Wool in Relation to the Activity
of Sulphur in the Food of the Sheep."

Report presented at the 5th Int'l. Biochemistry Congress,
Moscow, 10-16 Aug 1961

GZHITSKIY, S.Z. [Hzhys'ts'kiy, S.Z.], akademik

Biochemistry in the service of stockbreeding. Nauka i zhyttia
10 no.2:24 F '60. (MIRA 13:6)

1. AN USSR; zaveduyushchiy otdelom biokhimii sel'skokhozyaystvennykh
zhivotnykh Nauchno-issledovatel'skogo instituta zemledeliya i
zhivotnovodstva zapadnykh rayonov USSR, L'vov.
(Urea as feed)

GZHITSKIY, S.Z. [Hshyts'kyi, S.Z.] (L'vov)

The use of insulin in veterinary medicine. Nauka i zhyttia 9
no.8:32-33 S '59. (MIRA 13:1)

1. Chlen-korrespondent AN USSR.
(Insulin--Physiological effect)
(Veterinary medicine)

GZHITSKIY, S.Z., prof.; GERMANYUK, Ya.L., dots.; GOLOVATSKIY, I.D., kand.
biol.nauk; KINASH, A.S., aspirant

Insulin in diseases of the alimentary canal in cattle. Veteri-
nariia 35 no.9:77-78 S '58. (MIRA 11:9)

1. L'vovskiy zooveterinarnyy institut i Institut zemledeliya i
zhivotnovodstva zapadnykh rayonov USSR.
(Insulin) (Cattle--Diseases and pests)

Methods of Liver Biopsy in Cattle

SOV/21-58-2-27/28

ASSOCIATION: Nauchno-issledovatel'skiy institut zemledeliya i zhivotno-
vodstva zapadnykh rayonov UkrSSR (Scientific Research In-
stitute of Agriculture and Cattle-Breeding in the Western
Regions of the UkrSSR)

SUBMITTED: April 8, 1957

NOTE: Russian title and Russian names of individuals and institu-
tions appearing in this article have been used in the trans-
literation.

Card 2/2

SOV/21-58-2-27/28

AUTHORS: ~~Gzhitskiy, S.Z.~~, Corresponding Member of the AS UkrSSR, and
Kusen', S.Y.

TITLE: Methods of Liver Biopsy in Cattle (Metodika biopsii pecheni
krupnogo rogatogo skota)

PERIODICAL: Dopovidi Akademii nauk Ukrain's'koi RSR, 1958, Nr 2,
pp 228-229 (USSR)

ABSTRACT: Very little has been written about the application of biopsy
to cattle. The reason for this has been the technical diffi-
culty of obtaining pieces of an organ from live animals.
Therefore an apparatus for performing biopsy was designed in
a laboratory of the Scientific Research Institute of Agri-
culture and Cattle-Breeding in the Western Regions of the
UkrSSR. The present article gives a description of this
apparatus and of the method of its application for obtaining
liver tissue from live cattle. The laboratory performed
about 250 of these experiments, and liver samples were taken
from some cows over ten times.
There are: 1 photo and 8 references, 2 of which are Soviet,
1 German, 2 American, and 3 English.

Card 1/2

GERMANYUK, Ya.L.; GZHITSKIY, S.Z.; LETCHENKO, O.Yu.

The amide nitrogen of glutamine and blood proteins and indices of carbohydrate metabolism in horses after the introduction of ammonium chloride and glutamic acid [with summary in English]. Ukr.biokhim. zhur.29 no.2:213-220 '57. (MLRA 10:7)

1. Kafedra biokhimii L'vovskogo zooveterinarnogo instituta.
(BLOOD PROTEINS) (CARBOHYDRATE METABOLISM)
(AMMONIUM CHLORIDE) (GLUTAMIC ACID)

USSR/Diseases of Farm Animals - Diseases of Unknown Etiology.

R-3

Abs Jour : Ref Zhur - Biol., No 4, 1958, 16940

Author : Gzhitskiy, S.Z.; Golovach, V.N.; Pupin, I.G.; Palfiy,
F.Yu.; Kusen', S.I.

Inst : -

Title : On the Etiology of Chronic Hematuria of Cattle.

Orig Pub : Veterinariya, 1957, No 5, 44-46.

Abstract : The authors consider that the soil, water, and feed composition have no influence upon the development of hematuria. This is supported by the fact that the transfer of sick animals to some other place has no effect on the course of disease, and that disease occurs in countries with different soils and different fodder vegetation. According to the authors' opinion, the etiological agent of hematuria of cattle is to be looked for in some microorganisms of the soil. It is possible that these

Card 1/2

TITLE: Investigation of the Glycogen Level in the Cow Liver (Doslidzhennya rivnya hlikohenu pechinky u koriv) 21-4-24/24

due to the great capacity of the liver for synthesizing sugar from volatile fatty acids.

The article contains 2 tables.

There are 10 references, 2 of which are Slavic.

INSTITUTION: Institute of Agriculture and Livestock Raising of the Ukrainian Western Regions

PRESENTED BY:

SUBMITTED: 2 October 1956

AVAILABLE: At the Library of Congress

Card 2/2

GZHYTS'KIY, S.Z.

21-4-24/24

AUTHORS: Gzhyts'kyi, S.Z., Corresponding Member of the Ukrainian Academy of Sciences, and Kusen', S.Y.

TITLE: Investigation of the Glycogen Level in the Cow Liver (Doslidzhennya rivnya hlikohenu pechinky u koriv)

PERIODICAL: Dopovidi Akademii Nauk Ukrain's'koi RSR, 1957, #4, pp 413-416 (USSR)

ABSTRACT: Extensive investigations were conducted on determining the glycogen concentration in liver samples of cattle obtained by means of biopsy. The glycogen concentration fluctuates from 0.595 to 4.327 %, being higher in winter than in summer. Individual fluctuations were also observed.

Administering of glucose into the blood (as well as administering glucose preceded by an injection of insulin) results in a double effect: an increase of the liver glycogen concentration with a low initial level, and a decrease when the level was rather high.

The regulation of the blood sugar level in cattle is probably

Card 1/2

GZHITSKIY, S.Z.[Hzyts'kiy, S.Z.]; GOLOVACH, V.N. [Holovach, V.N.]; PUPIN,
I.G.[Pupin, I.H.]

Chronic hematuria in cattle. Pratsi Inst. agrobiol. AN URSR 3
no. 2:48-54 '56. (MIRA 11:7)

(Hematuria)
(Cows---Diseases and pests)

GZHITSKIY, S.Z. [Habyts'kyi, S.Z.]; SUKHOMLINOV, B.F.; GOLOVACH, V.N. [Holovach, V.M.];
SKOVRONSKAYA, Ye.V. [Skovrons'ka, IE.V.]

Characteristics of carbohydrate metabolism in swine. Pratsi Inst.
agrobiol. AN URSR 3 no. 2:39-44 '56. (MIRA 11:7)
(Swine--Physiology)
(Carbohydrate metabolism)

GZHITSKIY, S.Z.[Hzyts'kyi, S.Z.]; ZEMTSOVA, N.A.[Zemtsova, N.O.];
GOLOVATSKIY, I.D.[Holovats'kyi, I.D.]; PALFIY, F.Yu.

Biochemical investigations of cow blood in connection with milk
yields and parturient paralysis. Pratsi Inst. agrobiol. AM URSR
(MIRA 11:7)
3 no. 2:25-38 '56.

(Cows--Diseases and pests)
(Blood--Analysis and chemistry)

GZHITSKIY, S.Z.[Hzyts'kyi, S.Z.]; MOZGOVAYA, Ye. N.[Mozhova, I.E.M.]

Age variations in the phosphate content of cattle blood. Pratsi
Inst. agrobiol. AN URSS 3 no. 2:18-24 '56. (MIRA 11:7)
(Phosphorus in the body)
(Cattle--Physiology)
(Blood--Analysis and chemistry)

GZHITSKIY, S.Z.[Hzyts'kiy, S.Z.]; SUKHOMLINOV, B.F.; GOLOVACH, V.N.[Holovach,
V.M.]; PALFIY, F.Yu.

Effect of lactation on the biochemical composition of blood in
local black-and-white cows. Pratsi Inst. agrobiol. AN URSS 3 no.2:3-
17 '56. (MIRA 11:7)

(Lactation)
(Blood--Analysis and chemistry)
(Cows)

USSR / Diseases of Farm Animals. Diseases of Unknown Etiology R
Abs Jour: Ref Zhur-Biologiya, No 16, 1958, 74246

Author : Gzhits'kiy, S.Z.; Sukhomlinov, B.F.; Golovach, V.M.;
Pupin, I.G.; Palfiy, F. Yu.; Kusen', S.I.

Inst : Not given

Title : Course and Nature of Chronic Hematuria in Cattle

Orig Pub: Inform. byul. Nauk.-dosl. in-t zemlerobstva i
tvarinnitstva zakhidn. rayoniv URSR, 1956, vip.1, 35-36

Abstract: It is shown that the causative agent of the disease
is a live organism which belongs either to fungi
or protozoa, or to bacteria of cellulose fermenta-
tion. Falling into the rumen with feed, this or-
ganism survives there and secretes products of vi-
tal activity which infect the mucosa of the urinary

Card 1/2

GZHITSKIY, Stepan Zenonovich; ZDUN, Vsevoid Il'ich

[Fasciola hepatica, a dangerous disease of farm animals]
Fastsioloz-nebezrechne zakhvoriuvannia sil's'kohospodars'kykh
tvaryn. Kyiv, Akademiia nauk Ukrainskoi RSR, 1956. 15 p.
(MLRA 10:5)

(Liver fluke)

GZHITS'KIY, S.Z.; SUKHOMLINOV, B.F.; GOLOVACH, V.M.; PUNIN, I.G.

Hematuria in cattle. Dep. AN URSR no. 6:608-611 '55. (MLRA 9:7)

1. Chlen-korespondent AN URSR (for Gzhits'kiy)
(Cattle--Diseases)

GZHITS'KIY, S.Z.

✓ Biochemical studies of the blood of milk cows. S. Z. Gzhits'kiy. *Dopovidi Akad. Nauk Ukr. R.S.R.* 1955, No. 4, 302-3. — Studies were conducted over 6-7 months with 2 groups of 7 cows. The carbohydrate, fat, and protein metabolic processes in the arterial and venous bloods emanating from the lactal glands and from the heads were investigated and also the O_2 exchange between the blood and the tissues. The periods of gestation, lactation, and dryness affect the blood chem. compn. differently. At the height of lactation the concns. of protein, amino acids, and sugars change only slightly, while the concns. of fatty acids and of lipide P are considerably increased. Carbohydrates, fats, proteins, O_2 and amino acids are absorbed from the blood by the lactating glands. The rate of absorption of fatty acids, acetone bodies, lipide P, carbohydrates and free NH_4OH depends upon the rate of milk production. This does not hold true with regard to the proteins and amino acids. The absorption of free NH_4OH by the lactating gland indicates that it is only secondarily involved in the process of metabolism. The increased consumption of O_2 by the lactating gland points to an augmentation in the oxidation-reduction processes of the cow's organism. B. S. Levine*

MD

GZHITS'KIY, S.Z.

USSR

Ammonia and glutamine in blood of cows having parturition paralysis. S. Z. Gzhits'kiy and I. D. Golovats'kiy (Vet. Zootech. Inst., Lvov). *Ukrain. Biochim. Zhur.* 26, 417-20 (in Russian; 421) (1954); cf. *ibid.*, 324. — in parturition paralysis the NH_4^+ content of cow blood is increased. In the beginning therapy it is lowered and the glutamine is increased. As normal health is reestablished NH_4^+ in the blood rises again. Forcing air through the udder raises the blood NH_4^+ to a lesser extent than in therapy with caffeine, which is also accompanied by a rise in glutamine.

R. S. Levjue

L'viv Zooveterinary Institute

GZHITSKIY, S.Z., professor.

Pathogenesis and treatment of paralytic myohemoglobinuria in horses.
Veterinariia 30 no.8:40-43 Ag '53. (MLRA 6:8)

1. L'vovskiy gosudarstvennyy veterinarno-zootekhnicheskii institut.

GZHITS'KIY, S.Z.

Biochemical research as a diagnostic and prophylactic method
in treating farm animals. Visnyk AN URSR 24:47-50 D '53.

(MLRA 7:3)

1. Chlen-korrespondent AN URSR.

(Veterinary medicine)

GZHITSKIY, S.Z. [Hzyts'kyi, S.Z.]; SUKHOMLINOV, B.F.; PALFIY, F.Yu.
[Palfii, F.IU]

Effect of carbon tetrachloride and hexachloroethane on the amount
of fatty acids in sheep blood. Pratsi Inst. agrobiol. AN URSR
2 pt.1:13-17 '53. (MIRA 11:7)
(ANTHELMINTICS) (BLOOD--ANALYSIS AND CHEMISTRY)
(PARASITES--SHEEP)

GZHITSKIY, S.Z. [Hshyts'kyi, S.Z.]; SUKHOMLINOV, B.F.; GOLOVACH, V.N.
[Golovach, V.M.]; PALFIY, F.Yu. [Palfii, F.IU.]; SKOVRONSKAYA, Ye.V.
[Skovrons'ka, IE.V]

Biochemical indices of blood in local coarse-wool sheep and their
bybrids with French Merinos. Pratsi Inst. agrobiol. AN URSR
2 pt. 1:5-12 '53. (MIRA 11:7)
(SHEEP--PHYSIOLOGY) (BLOOD--ANALYSIS AND CHEMISTRY)

GZHITSKIY, S. Z.

[illegible]

LAZARENKO, A.N., redaktor; GZHITS'KIY, S.Z., redaktor; KIIYAK, G.S., redaktor; KOZIY, G.V., doktor biologichnikh nauk, redaktor; BARA-NETS'KIY, S.F., kandidat sil'sko-gospodars'kikh nauk, redaktor; STRAUTMAN, F.I., kandidat biologichnikh nauk, redaktor; TATARINOV, K.A., redaktor; MAKSI MEYKO, O.I., redaktor; RAKHLINA, N.P., tekhnolog, redaktor.

[Studying characteristics of the use of fertilizers in the western provinces of the Ukrainian S.S.R.] Vychennia osoblyvostei zasto-suvannia dobryv u zakhidnykh oblastiakh Ukraini'koi RSR. Kyiv, Vyd-vo Akademii nauk Ukraini'koi RSR, 1953. 103 p. (MIRA 8:2)

1. Chlen-korrespondent AN Ukrainskoy RSR (for Lazarenko, Gzhits'kiy, Kiyak) 2. Akademiya nauk URSR, Kiyev.
(Ukraine--Fertilizers and manures)

LAZARENKO, A.S., redaktor; GZHITS'KIY, S.Z., redaktor; KIYAK, G.S., redaktor;
KOZIY, G.V., dektor biologichnikh nauk, redaktor; BARANETS'KIY, S.P.,
kandidat s.-g. nauk, redaktor; STRAUTMAN, P.I., kandidat biel.nauk,
redaktor; TATARINOV, K.A., redaktor; POLYAKOV, M.I., redaktor;
RAKHLINA, N.P., tekhnicheskij redaktor.

[Biochemistry of farm animals] Biokhimiia sil's'kohospodars'kykh
tvaryn. Kyiv, 1953. 58 p. [Microfilm]. (MIRA 9:6)

1.Akademiya nauk URSR, Kiev. Institut agrobiologii.2.Chlen-korespondent AN URSR (for Lazarenko, Gzhits'kiy, Kiyak).
(Physiological chemistry) (Veterinary physiology)

GZHITSKIY, S. Z., Prof.
L'vov State Vet. Inst.

"Modification of blood components in encephalomyelitis of horses."
SO: VET. 26 (6) 1949, p. 39

L 6536-66

ACC NR: AP5027168

and exposed to vibration and noise. All were in relatively good health. The control group consisted of workers in the same factory, but not exposed to a noisy environment. The results showed the following: a decrease in blood sugar, phospholipid phosphorus, and ascorbic acid; an increase in protein, albumin, and nonprotein nitrogen. The gamma globulin, however, showed a decrease. There was a slight increase in aspartic aminotransferase and alanine aminotransferase, and a slight decrease in aldolases. The results of determinations of other components studied, different from those in guinea pigs, are discussed. Orig. art. has: 9 tables.

SUB CODE: PH, LS / SUBM DATE: 09Nov64 / ORIG REF: 000 / OTH REF: 021

Card 2/2

L 6526-66 EWT(1)/FS(?) -3 DD

ACC NR: AP5027168

SOURCE CODE: PO/0056/65/016/005/0727/0737

AUTHOR: Jozkiewicz, S. — Yuzkevich, S. (Professor, Doctor, Director); Puchalik, M. —
Pukhalik, M. (Professor, Doctor, Director); Cygan, Z. — Tsygan, Z.; Drozd, M. —
Drozdzi, M.; Gregorczyk, J. — Gregorchik, Ya.; Grzesik, J. — Gzhelik, Ya.; Krzoska, K.
— Kshoska, K.; Lewandowska-Tolacz, A. — Levandovska-Tolacz, A.; Stanosek, J. —
Stanosek, Ya.; Zak, T. — Zhak, T.

ORG: Institute of Physiological Chemistry, Silesia AM, Zabrze-Rokitnica (Zaklad Chemii
Fizjologicznej Sl. AM); Institute of Medical Physics, Silesia AM, Zabrze-Rokitnica (Zaklad
Fizyki Lekarskiej Sl. AM)

TITLE: Investigation of the effect of sonic and ultrasonic fields on biochemical processes.
IX. Effect on some blood components in men working under noisy conditions

SOURCE: Acta physiologica polonica, v. 16, no. 5, 1965, 727-737

TOPIC TAGS: human physiology, working condition, man, medical experiment, biologic
vibration effect, sound, ultrasonic field, acoustic biologic effect

ABSTRACT: The levels of blood glucose, pyruvic acid, ascorbic acid, proteins, protein
fractions, nonprotein nitrogen, phospholipid phosphorus, and the activities of aminotrans-
ferase and aldolase were determined in 80 persons to study the effect of noisy working condi-
tions on the workingman. The test subjects were employed in a large industrial establishment

Card 1/2

0701 2010

USSR /Chemical Technology. Chemical Products
and Their Application

I-12

Silicates. Glass. Ceramics. Binders.

Abs Jour: Referat Zhur - Khimiya, No 9, 1957, 31644

the nature of crystal lattice; strength value of
the mortar after 24 hours and value of heat
generation in the cement depending on dimensions
and shape of AC.

Card 4/4

USSR /Chemical Technology. Chemical Products
and Their Application

I-12

Silicates. Glass. Ceramics. Binders.

Abs Jour: Referat Zhur - Khimiya, No 9, 1957, 31644

stone. The resulting mixture of $\text{CaO} \cdot \text{Al}_2\text{O}_3$ and C_2S disintegrates into a very fine powder due to a transition of C_2S from beta-form into gammaform. $\text{CaO} \cdot \text{Al}_2\text{O}_3$ is removed and after concentration it is utilized for the production of a number of valuable products. The residue, consisting of fine crystals of C_2S , constitutes the starting material for the production of RHC. Formulas are proposed for the determination of the following quantities: dependence of change in external shape of AC on degree of supersaturation of the crystallizing solution and

Card 3/4

USSR /Chemical Technology. Chemical Products
and Their Application

Silicates. Glass. Ceramics. Binders.

Abs Jour: Referat Zhur - Khimiya, No 9, 1957, 31644

dimensions of AC and their corresponding shape affect the intensity of cement hardening during the very first days. Production of AC of the required size and shape depends on a number of factors and, in particular, on addition of mineralizers and the rate of cooling of the clinker. It is desirable that the size of AC be less than 15μ and the ratio of geometrical axes be equal to 2. The method used in Poland for the production of rapidly hardening cement (RHC) consists in calcination of marl, having a high content of Al_2O_3 , in admixture with lime-

Card 2/4

Gzhimek, J. ~~Yezht~~

I-12

USSR /Chemical Technology. Chemical Products
and Their Application

Silicates. Glass. Ceramics. Binders.

Abs Jour: Referat Zhur - Khimiya, No 9, 1957, 31644

Author : Gzhimek Yezht

Title : Significance of External Structure of Alite
Crystals in Portland Cement in Connection
with Accelerated and Wintertime Building

Orig Pub: Tr. Soveshchaniya po khimii tsementa. M., Prom-
stroyizdat, 1956, 27-41

Abstract: The rate of hardening of cement depends on
surface development of alite crystals (AC)
and their linear dimensions. Decrease in

Card 1/4

Poland/Chemical Technology -- Chemical Products and Their Application. Silicates.
Glass. Ceramics. Binders, I-9

Abst Journal: Referat Zhur - Khimiya, No 1, 1957, 1656

Author: Gzhimek, J.

Institution: None

Title: General Notes on the History of Cements and Their Application in
Construction

Original

Periodical: Cement. Wapno. Gips, 1954, Vol 19, No 5, 90-106; Polish

Abstract: A short discussion of different types of cements and of their classification is given together with a review of the history of the application of cements in construction. The future perspectives for the development of the production of construction cements in Poland are discussed in great detail.

Card 1/1

GZHESYUK, S.

"The Importance of the Intensity of Light on the Development of Millet." Cand Biol Sci, Leningrad Agricultural Inst, Leningrad, 1954. (RZhBiol, No 6, Mar 55)

SO: Sum No. 670, 29 Sep 55 - Survey of Scientific and Technical Dissertations Defended at USSR Higher Educational Institutions (15)

L 00241-66

ACCESSION NR: AP5018222

the experimental part of the work." Orig. art. has: 4 figures and 1 table.

ASSOCIATION: Pracownia Fizyki i Ultradźwięków, Instytut Medycyny Pracy w Przemysle Węglowym i Hutniczym, Zabrze (Laboratory of Physics and Ultrasound, Institute of Medical Practice in the Coal and Iron Industry)

SUBMITTED: 17Jun64

ENCL: 00

SUB CODE: LS

NO REF SOV: 000

OTHER: 006

dg
Card 2/2

L 00241-66

ACCESSION NR: AP5018222

PO/0056/65/016/003/0379/0387

AUTHOR: Grzesik, J. (Doctor of medicine, Director; Zabrze-Rokitnica); Gzhesik, Ya. (Doctor of medicine, Director; Zabrze-Rokitnica); Pluta, E. (Zabrze-Rokitnica); Plyuta, E. (Zabrze-Rokitnica) 23 B

TITLE: Evaluation of the effect of acoustic stimuli on the central nervous system by means of the maze swimming test in rats

SOURCE: Acta physiologica polonica, v. 16, no. 3, 1965, 379-387

TOPIC TAGS: acoustic biologic effect, conditioned reflex, rat, central nervous system

ABSTRACT: The effect of intense broad band noise and pure tones on the central nervous system of rats was investigated by means of the closed intelligence of Rabinovitch and Rosvold (Can. J. Psychol. 5:122, 1951). Wistar albino rats were subjected to broad band noise at 100 db re 2×10^{-4} bar, or to pure tones at 500, 1000, 2000, 4000 and 6000 cycles/sec., and were then forced to swim through a maze without disturbing the squares floating in the tank. The results show that the acoustic stimuli decreased the learning ability of the rats by 25-30%, but that the ability to swim the maze returned to normal after about 3 days of exposure to the new variant. "The authors thank Mr. Rozy Stoja for valuable assistance in

Card 1/2

GZHESIK, Ya.; LEMPKOVSKI, A.; TURCHIN'SKI, B.; FAZANOVICH, Ya.;
SHIMCHIK, K.

Comparison of methods for estimating loudness, based on data
published in 1930-1957; a survey. Akust. zhur. 6 no. 4:419-440
'60. (MIRA 13:12)

1. Institut meditsiny truda; Meditsinskaya akademiya g. Zabzhe i
Kafedr akustiki i teorii kolebaniy Universiteta im. Adama Mits-
kevicha g. Poznan' (Pol'sha).

(Sound---Measurement)

GZIESHODAK-SVELIKOVSKAYA, U.: Master Agric Sci (class) -- "The use of solutions of vitamin B-12 and cobalt chloride in the meat production of pigs". Moscow, 1970. 20 pp (Moscow Order of Lenin Agric Acad Inst K. A. Timiryazev), 20 copies (BL, R. 14, 1970, 171)

L 00711-66 EWF(m)/EWF(1st)/TOS(k)/LNA(s)/LNA(2)

ACCESSION NR: AT5013282

UR/3043/65/000/004/0062/0076

AUTHOR: Dubinskaya, N. V. ; Gzhelyak, R. A. ; Igonina, I. V.

TITLE: The calculation of Prandtl Meyer flow taking into account the nonequilibrium air dissociation

SOURCE: Moscow. Universitet. Vychislitel'nyy tsentr. Sbornik rabot, no. 4, 1965. Chislennyye metody v gazovoy dinamike (Numerical methods in gas dynamics), 62-76

TOPIC TAGS: air flow, Prandtl Meyer flow, flow analysis, supersonic flow, adiabatic flow, dissociated gas

ABSTRACT: The present paper applies the method of characteristics to the calculation of nonequilibrium supersonic flows of reacting gases. In contradistinction to the method of characteristics as applied to the flow of gases with constant adiabatic index, the problem is solved using differential relationships which are applicable along the flow line. As an example, the Vychislitel'nyy tsentr (Computer Center) of the MGU carried out detailed calculations of the Prandtl Meyer flow of dissociating air with temperatures up to 6000K. Results show that the presence of the nonequilibrium substantially affects the flow parameters. Orig. art. has: 18 formulas and 12 figures.

Card 1/2

Card

2/2

DUBOVYY, M.I., assistant; SHCHERBAKOVA, A.K., assistant; POVKH, B.V.;
GZHEGOTSKIY, M.I.

Therapeutic and preventive measures in reducing suppurative
diseases among miners of the Lvov coal basin. Vest.derm.i ven.
no.9:51-53 '61. (MIRA 15:5)

1. Iz kafedry kozhnykh i venericheskikh bolezney (zav. - prof.
A.A. Shteyn) L'vovskogo meditsinskogo instituta (dir. - prof.
L.N. Kuzmenko). 2. Zam. glavnogo vracha mediko-sanitarnoy chasti
(for Povkh). 3. Glavnyy vrach sanitarno-epidemiologicheskoy
stantsii Chervonograda (for Gzhegotskiy).
(LVOV-VOLYN' BASIN---COAL MINERS---DISEASES AND HYGIENE)

ACC NR: AP7003543

changes. Daily intakes of sodium trichloroacetate, administered in an amount of 35 mg per kg body weight for a six mo period did not cause any significant pathological changes. Orig. art. has: 1 table. [WA-50] [AM]

SUB CODE: 06/SUBM DATE: 18Aug65/

Card 2/2

ACC NR: AP7003543 (AN) SOURCE CODE: UR/0240/67/000/001/0048/0052

AUTHOR: Martynyuk, V. Z. (Professor); Gzhegotskiy, M. I. --Gzhegotsky, M. I.

ORG: Central Scientific Research Laboratory, L'vov Medical Institute (Tsentral'-naya nauchno-issledovatel'skaya laboratoriya L'vovskogo meditsinskogo instituta)

TITLE: Toxicity of the chlororganic herbicide sodium trichloroacetate

SOURCE: Gigiyena i sanitariya, no. 1, 1967, 48-52

TOPIC TAGS: toxicity, animal, pathology, acute intoxication, herbicide, chlororganic herbicide, sodium trichloroacetate

ABSTRACT: An investigation was made of sodium trichloroacetate toxicity for various animals. To induce acute intoxication with large doses of this compound, a total of 333 animals were tested. The lethal dose₅₀ (LD₅₀) for rats, rabbits and guinea pigs was 6 gr per kg body weight. For mice and cats the respective doses were 5 and 4 gr per kg. body weight, respectively. Chronic intoxication was induced with daily doses of 1 to 0.5 gr of sodium trichloroacetate for a 7 mo period. Pathological examination of animals indicated that only cardiovascular system, stomach, and to a lesser extent liver, kidneys and adrenals showed some

UDC: 615.778.38-099

Card 1/2

MAHILA, Y. M.; GAGYAN, J. S.

Secretory activity of the stomach following thyrotoxicosis in
ontogeny. Fiziol. iur. Akad. Nauk SSSR 1971 105.

1. Instants ovoloshteniya (development) i funktsii zheludka (stomach) u N. S. Gagarova
zh. d. zh. i. zh. d. (MIRA 18:10)

GZGZYAN, D.M. (Leningrad, P.-U., *Math. Zh.*, 1961, 11, 1, 111-112, 111) (11)
LEV, I.B. (Leningrad, P.-U., *Math. Zh.*, 1961, 11, 1, 111-112, 111)

State of the receptor apparatus of the period after excision of the femoral artery. Arkh. anat. i fiziol. 45 no. 7:48-54. 1953.

- [illegible]

GZGZYAN, D.M.; LEV, I.D.

State of receptors of the posterior extremity in dogs during
the development of collateral circulation and radiation
sickness. Biul. eksp. biol. i med. 49 no. 4:36-41 Sp '60.
(MIRA 13:10)

1. Iz kafedry normal'noy anatomii (nach. - chlen-korrespondent
AMN SSSR B.A. Dolgo-Saburov) i kafedry normal'noy fiziologii
(nauch.-prof. I.T. Kurtsin) Voenno-meditsinskoy ordena Lenina
akademii imeni S.M. Kirova.
(RADIATION SICKNESS) (LEG---INNERVATION) (FEMORAL ARTERY)

G Z G Z Y A N, D. M.

Changes of the secretory and motor activity of the stomach after blood loss and application of ligature. D. M. Gzgyan (S. M. Kirov Military Med. Acad.). *Physiol. Zhur. S.S.S.R.* 41:380-7(1955).—Loss of 40-50% of total blood in a dog causes a shortening of the latent period of gastric secretory activity; at the same time there is a retardation of the rate of gastric flow in the reflex phase for 7-8 days and a decline in gastric acidity and digestive ability. There is an increased secretion of juice in a stomach pouch in response to milk and meat ext. for 12-15 days and a retardation of evacuation from the stomach of water, along with acceleration of evacuation of milk. A 3-hr. application of ligature to a hind leg led to decreased gastric secretion and lowered gastric acidity and digestive ability which lasted 5-8 days; a blocking effect on motor function of the stomach lasted 2-5 days, with an increase of secretion of gastric juice in fasting stage for 5-17 days. G. M. Kosolapoff.

USSR/Medicine - Physiology

FD-1324

Card 1/1 : Pub. 33-2/25

Author : Gzgzyan, D. M.

Title : Analysis of changes in higher nervous activity after application of a tourniquet

Periodical : Fiziol. zhur. 4, 396-403, Jul/Aug 1954

Abstract : Changes in the functional conditions of the cortex of large hemispheres were observed in experimental dogs when an irritant in the form of a tourniquet was applied in the area of the upper third part of their femur. These changes took place as result of disturbance in balance between excitation and inhibition. They caused salivation, retardation in respiration and cardiac contractions, increase in blood pressure, drop in temperature of the leg to which tourniquet was applied and increase in temperature of the opposite leg. Injection of such drugs as caffeine or sodium bromide prior to application of tourniquet has resulted in arresting development of disturbances in activity of the cortex of large hemispheres. Charts. Six Soviet references.

Institution : Chair of Physiology, Military Medical Academy imeni S. M. Kirov, Leningrad

Submitted : May 30, 1952

CA

11A

Effect of partial extirpation of adrenals on the higher nervous activity in dog. II. One day fast, caffeine, and muscular labor. D. M. Gogzyan (Pavlov Exptl. Physiol. Inst., Acad. Med. Sci. U.S.S.R.). *Fiziol. Zhur.* 36, 261-70 (1950); cf. *Ibid.* 35, 637 (1949). After partial removal of adrenals a one-day fast taking place in the most distinct period of changes of mental activity (2nd phase) causes a decline of conditioned reflexes, while unconditioned reflexes are stimulated. In the restorative phase after the operation, a one-day fast gives the same reactions as in controls. Feeding of caffeine in various doses leads to increased sensitivity to the drug. Light labor lowers, hard labor raises, the level of stimulation of the central nervous system. G. M. Kosolapoff